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1929 PRICE LIST

D. A. White & Sons

Feedmen and Seedmen

Poultry and Bee Supplies

38th Year

Wholesale and Retail

Farm, Field and Garden Seeds, Poultry Feeds
Sprays, Fertilizers, Etc.

Tested Seeds

251-261 STATE ST., SALEM, OREGON

Western Seeds for Western Growers

N. D. ELLIOTT, PRINTER, SALEM, OREGON

D. N. Shoemaker Vegetable Seed Trials FEB 6 1929

Quality Seeds

THE essential point about seeds is quality; the first is, of course, that they will grow but far more important than the growing is that they will produce a first class crop when planted and not an inferior crop that cannot be used or marketed. It would be better that the seed did not grow than to grow and produce a crop of no value.

Of course, all our seeds are tested for germination but the main point is that our seeds are grown by the best growers; growers who have a long reputation of producing the best seeds obtainable.

This is the point that you as a grower are interested in as it means the difference between success and failure in your crops.

The price of seeds means very little but the quality means all.

Our prices are based on Quality Seeds and you will find them as low as seeds of equal quality can be sold for, if not lower, but we make no effort to compete on price alone with some cheap mail order house but try to give you the best seeds obtainable.

With our many years of experience in the seed business, we believe that we are in a position to offer you seeds that will give you the best results.

All our other merchandise is handled on the same basis, quality always first.

We are always glad to advise you in your selections at any time.

Yours very truly,

D. A. WHITE & SONS

NOTICE

On account of the various market changes in prices, we quote subject to the following statement:

We guarantee that we will give full value for the money sent, whether the price at the time you order be higher or lower, or if the difference is very great, will notify you before shipment.

DISCLAIMER

D. A. White & Sons give no warranty, expressed or implied, as to the description, quality, productiveness, or any other matter of any seeds, bulbs or plants that they send out, and will not be in any way responsible for the crop.

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Trowbridge Grafting Wax

This is the highest grade of Grafting wax, we believe, sold on the market, regardless of price.

It is manufactured from the very best of materials and stands up longer than any wax we have ever tested.

Used by nearly all the leading nurserymen in various sections of the United States and by far the leading seller at retail.
Prices are as follows:

¼ lb. bars, 15c., postpaid, 20c
½ lb. bars, 30c, postpaid, 40c.
1 lb. bars, 50c, postpaid, 60c.
Special prices on large lots.

Selected, Tested Vegetable Seed

ARTICHOKE

Large Globe. The undeveloped flower heads, when properly cooked, make a delicious dish. **Pkt., 10c.**

ASPARAGUS

Washington. This is the new variety that has proven by government tests, possibly the finest asparagus grown. It is early, very tender and grows to a good size. For market gardeners, the best variety ever grown. **Pkt., 10c; oz., 25c; ¼lb., 50c.**

Palmetto. One of the best varieties. Quality, first class. **Pkt., 10c; oz., 15c.**

BEANS

Any variety at the following prices if not otherwise priced. **Postpaid, pkt., 20c; lb., 40c. Not Postpaid, pkt., 15c; lb., 30c.**

DWARF OR BUSH, GREEN PODDED

Stringless Green Pod. The most popular variety on the market for home garden or the market. Fine for canning. Very prolific.

Refugee. An old standard variety. Fine for canning, home or market.

Giant Stringless Green Pod. This is a larger bean then the regular Stringless Bean and is becoming very popular and is worthy of being planted.

Horticultural, Cranberry or Wren's Egg—A popular old variety for either snapshorts or dry shell beans, especially adapted for short seasons and cool locations.

WAX PODDED BUSH BEANS

Davis White Wax. Rustless and very productive. Long yellow pods that can be used for canning, home or market.

Golden Wax. One of the most popular garden varietes. Pods are long and a beautiful golden yellow, crisp and tender.

Improved Black Wax. The earliest of all wax beans. Excellent quality and very productive.

POLE BEANS, GREEN AND WAX PODDED

Kentucky Wonder. The most popular pole bean grown. A heavy producer and lasts until frost time. Pods are very long, fleshy and deeply creased. Green in color and stringless.

Kentucky Wonder Wax. Similar to the above, but long yellow pods.

White Crease Back. Long slender pods, crisp and tender. Fine for pickles, canning and table.

White Dutch Case Knife—Bears large flat pods early in the season. Being white-seeded, it is excellent to grow dry shell beans for winter.

Scarlet Runner. The well-known, old fashioned climber. Bright, scarlet flowers. **Oz., 5c; lb., 50c.**

Castor Beans. Used for medicinal purpo es and by some claimed to keep moles away from gardens. Very ornamental. **Postpaid, oz., 10c.**

OREGON GIANT POLE BEAN

Of Superb Quality—Entirely Stringless

If you have not grown this Bean, by all means do so this season. It is a quick grower, quite early and produces the most wonderful long, plump, meaty pods that are tender, brittle and of delicious mild flavor when cooked. **Pkt. 20c; ½ lb., 35c; 1 lb., 60c; postpaid.**

FIELD BEANS

Lady Washington. Have some choice, local grown stock that ripen early and yield well **Postpaid, lb., 25c; not postpaid, lb., 15c. Quantity lots, write for prices.**

LIMA BEANS

Burpee's Bush Lima. This is the favorite bush variety and is used both as a green shelled bean and a dry bean. **Lb., postpaid, 45c; Not postpaid, 35c, lb.**

Large Pole Lima. A very heavy yielding bean. **Lb., postpaid, 45c; not postpaid, lb., 35c.**

BEETS, TABLE VARIETIES

Any variety at the following prices: **Postpaid, pkt., 10c; oz., 15c; ¼lb., 35c; 1 lb., $1.00.**

Improved Blood Turnip. A fine table variety. Turnip shaped with deep red flesh.

Detroit Dark Red. Globe shaped, bright, rich, red flesh. Fine for market or table.

Extra Early Egyptian. Very popular variety. Bright red with clear vermillion flesh.

Early Eclipse. Globe shaped. Flesh deep crimson, zoned with pink.

Early Wonder. This has proven a very popular variety and especially so with market gardeners. It is of the globe type and has a rich color.

SWISS CHARD

Lucullus. The finest vaiety. Cultivated for its stalks and leaves which are prepared and served like asparagus. Also, becoming very popular for greens for poultry as it is more productive than kale. **Pkt., 10c; oz., 15c; lb., $1.25, postpaid.**

MANGEL WURZEL, SUGAR AND STOCK BEETS

Any variety at the following prices: **Postpaid, oz., 10c; ½lb., 25c; lb., 50c; 10 lbs.,$4.50**

Mammoth Long Red. One of the finest varieties grown. Grows very large.

Golden Tankard. A heavy producer and good for heavy soils.

New Mangel Half Sugar. Becoming very popular as it is sweeter than a regular mangel. Makes fine feed.

Danish Sludstrop. Long, reddish yellow, grows well above the ground and easy to pull. Very productive and excellent quality.

Sugar Beets (True Stock.) Flesh, white and tender, fine for table, also excellent stock feed.

BIRD SEEDS AND SUPPLIES

Seeds are all recleaned and first class quality. Can supply Canary, Hemp, Millet, and Bird Rape.

Roller Bird Seed.....Pkg. 25c; postpaid, 35c.
Canary.....Lb. 15c; postpaid, 25c.
Hemp.....Lb. 15c; postpaid, 25c.
Bird Rape.....Lb. 15c; postpaid, 25c.
Millet.....Lb. 15c; postpaid, 25c.
Sunflower.....Lb. 15c; postpaid, 25c.
Bird Gravel.....Pkg. 15c; postpaid, 25c.
Bird Manna.....Pkg. 15c; postpaid, 20c.
Cuttle Bone, large pieces, oz. 10c, postpaid.

BROCCOLI

Western Oregon is now producing the finest broccoli grown in America. A fine market has been secured throughout the East and it has proven a very profitable crop.

St. Valentine. This variety has proven to be the only variety to grow. Producing the finest heads, immense size and excellent quality. **Pkt., 10c; oz., $1.50.**

Large White French. A valuable variety with large, white heads, firm and of good flavor. **Pkt. 10c; oz. 75c.**

BRUSSELS SPROUTS

Dwarf Improved. Very hardy and producing compact sprouts of large size and good quality. **Pkt., 10c; oz., 25c.**

CABBAGE

All at the uniform price of, **Pkt., 10c; oz., 25c; ¼lb., 75c; lb., $2.50, postpaid.**

Early Jersey Wakefield. An old favorite, sharp, conical head. Sown both fall and spring.

Charleston Wakefield. The best known early variety. Medium sized conical head. The favorite market variety.

Early Dwarf Flat Dutch. This is the favorite early, flat headed variety. Very productive.

Copenhagen Market Cabbage. One of the most popular round-headed cabbages with the market gardeners. It is one of the earliest of its kind ever introduced. Leaves medium light green, nearly round, thick and smooth. The heads are round extremely solid and of exceptionally good quality.

Henderson's Succession. An excellent second-early variety coming in immediately after the first early sorts; free from coarse veining; enormous heads, exceedingly tender.

Mammoth Rock Red. Best hard-headed, red variety; large heads, globular, and very deep red on top. Very tender and excellent quality, fine for cold salads on account of its attractive color.

Early Winnigstadt. A little later than Wakefield, heads are similar in shape but larger, and very hard with leaves tightly folded.

Perfection Drumhead Savoy Cabbage. A variety that is much prized by those who are familiar with it; of exceptionally fine flavor, more tender and sweeter. Heads large size and quite compact, with densely and uniformly crimped or savory leaves.

Danish Ball Head. The finest late variety grown, either for market or home garden. Firm, solid heads, medium sized, round and very solid.

Late Flat Dutch. The favorite large late variety.

Late Drumhead. Has no superior for family or market in the large varieties.

Sure Head. The surest cropper of the late varieties. Large solid head.

WONG BOK

Chinese Cabbage. This Chinese Cabbage is becoming more popular each year. While it has been cultivated in China for years, it is comparatively unknown in many markets. Wong Bok produces a beautiful, crisp, blanched tall or long head, resembling a giant Cos Lettuce. As a salad it rivals the finest lettuce. Delicious sliced as cold-slaw. Boiled or steamed it makes delightful greens, more sprouts. Don't plant too early, grow it as a fall vegetable. Plant like late cabbage, about 15 inches apart, in rows. Does its best in cool, moist weather. Will last until freezing weather. **Pkt., 10c; oz., 40c.**

CAULIFLOWER

Early Snowball. The most popular variety grown of the early sorts. Quality first class and good size. **Price, postpaid, pkt., 15c; oz., $2.00**

Large Algiers. A valuable late variety, sure to head, of the best quality. **Pkt., 10c; oz., $1.25.**

COLLARDS

Georgia. This variety is the old time favorite. Is very hardy. **Pkt., 10c; oz., 15c.**

CARROTS

All at the uniform price of: **Pkt., 5c; oz., 15c; ¼lb., 30c; lb., 85c, postpaid. Except as noted.**

White's Special Model Carrot, Chantenay type. This is the finest of all the carrots for Market Gardners or home use. We offer a special stock that has taken many years to develop and we believe, the finest table carrot on the market at the present time. **Pkt. 10c; oz. 15c; ¼ lb. 50c; 1 lb. $1.25.**

Chantenay. The finest variety for the market or home garden. Smooth and tender. Deep orange color.

Danvers Half Long. The smooth handsome roots are orange color and medium length. A heavy cropper and make fine feed.

Ox Heart. A thick carrot, five or six inches long and very blunt at the lower end. Orange color.

Long Orange. Grows to a large size. Best adapted to sandy or loose soil. A favorite for stock feeding.

Large White Belgian. Grown for stock feeding. Very productive. Easily pulled.

Large Yellow Belgian. One of the best carrots for stock feeding. Grows large and very productive.

Coreless. The finest early table variety grown. Handsome, meltingly tender and sweet. It is a half-long cylindrical carrot, blunt pointed, with a small tap root and small top. They run very uniform in shape and grow just the right size for table use. The flesh is of fine texture, entirely devoid of stringiness, coarseness and woody heart; color orange-scarlet, very attractive, delicious and sweet flavored when cooked. **Pkt., 10c; oz., 20c; 4 oz., 35c; lb., $1.25**

CELERY

White Plume. The leading white celery. A handsome, crisp sort, of very easy cultivation. **Pkt., 10c; oz., 30c; postpaid.**

Golden Self Blanching. The best celery for early market or home garden of the yellow meated kinds. Easily blanched. **Pkt., 10c; oz. 75c; postpaid.**

CRESS

Curled or Pepper Grass. Used as a salad dressing. **Pkt. 10c; oz. 15c, postpaid.**

Water Cress. Thrives only when the roots or stems are submerged in water. Leaves used as a salad. **Pkt. 10c; oz. 60c.**

CORN--Sweet or Table Varieties

Postpaid, pkt. 15c; lb. 30c; 10 lbs. $2.50. Not postpaid. Pkt. 15c; lb. 25c; 10 lbs. $2.25

Golden Bantam. One of the finest sweet corns grown. Very early, tender and extra sweet. Golden in color.

Improved Golden Bantam. Superior to the original Golden Bantam in quality and nearly twice the size Nearly all ears carry 12 rows of deep rich golden yellow kernels, set close upon the cob. Do not compare this with the original strain, as it is far superior in every respect, and any gardener who places this corn on the market will command better sales and prices.

Early Minnesota. The favorite extra white variety. Fine for canning.

Early Evergreen. Follows the early varieties and is an excellent corn.

Stowells Evergreen. This is the most popular and best main crop sweet corn grown. Excellent quality and lasts until killed by frost. Very productive. Makes fine fodder and ensilage.

Portland Market. An extra early variety with a good sized ear. A great favorite for the market and home use.

Golden Giant. This is new yellow meated Sweet Corn and is the second year that it has been offered on the market. It is a cross between Golden Bantam and Evergreen and retains the sweetness of the Bantum with the Evergreen qualities. Produces a large ear of extra sweet corn.

FIELD CORN

EXTRA, FANCY, SELECTED STOCK

We make a specialty of Field corn and offer you the finest varieties for this coast. Uniform price of: **lb. 20c; 10 lbs. $1.10; 25 lbs. $2.50, postpaid. Not postpaid, lb. 10c; 10 lbs. 85c; 100 lbs., Market price.**

Pride of Oregon. This is the best quality of Oregon grown corn and well selected. Ears are long, well filled with deep yellow kernels. Makes a fine silo corn, as it grows to a good size as well as being early.

Minnesota No. 13, Yellow Dent. This variety is a favorite of many dairymen as an ensilage corn. A heavy producer.

Leaming, Yellow Dent. One of the most popular ensilage corns as it is very productive.

Pride of the North, Yellow Dent. Grown here for many years as a silo corn and is a heavy producer.

White Pearl. A pure white corn. Used for silo.

Golden Glow. This is the corn that is winning all the prizes at the various corn shows and is an extra good variety for this valley. Our seed is Western grown.

POP CORN

White Rice. The best variety for this climate. Ripens early and is a good producer. **Postpaid, lb. 25; not postpaid, 15c.**

CUCUMBERS

Uniform price of, **pkt. 10c; oz. 15c; ¼ lb. 40c; 1 lb. $1.25, postpaid, except as noted.**

Early Short Green or Early Frame. An excellent small variety. Fine for pickles.

Chicago Pickling. The favorite pickling variety. Very prolific.

Improved White Spine. A large, long variety that is fine for table or pickles.

Improved Long Green. The old family favorite. Always good for all purposes.

Lemon Cucumber. This dainty little cucumber resembles a lemon both in form and color. having a distinctive flavor all it owns. **Pkt. 10c; oz. 20c.**

White's Special. This is the finest market and pickling variety we have ever seen. Uniform shape and a dark green color and heavy producer. Length, uniformly 8 to 10 inch. A good shipper, holding its color and firmness when shipped. Excellent for slicing. **Ptk. 10c; oz. 15c; lb. $1.50.**

Boston Pickling. A very productive variety; extensively grown for pickles. The fruits are bright green, of medium size, smooth and symmetrical. The flesh is crisp and tender.

Early Cluster. One of the old favorites; grows in clusters.

ENDIVES

This is a hardy vegetable, cultivated principally for a winter salad. Sow from May until August, for a succession of crops; tie the leaves closely together to bleach them.

Green Curled. A standard sort for fall and winter. **Pkt. 10c; oz. 15c.**

White Curled. A beautiful variety with curled, mossy leaves for early use. **Pkt. 10c; oz. 15c.**

EGG PLANT

Black Beauty. An extra early, quick-growing, vigorous variety, handsome and very uniform. Color, deep blackish purple. Splendid market sort. **Pkt. 10c; oz. 70c.**

KALE

Dwarfed Green Curled. Leaves curled and a bright green. **Pkt. 10c; oz. 15c.**

Tall Scotch—Green Curled. Grows about two feet high, leaves dark green, curled and wrinkled; very hardy. **Pkt. 10c; oz. 20c.**

Thousand Headed. Grows very large. Used mostly for stock feeding. **Pkt. 10c; lb. 60c; postpaid.**

KOHL RABI

Early White. Best table variety. **Pkt. 10c; oz. 25c.**

LEEK

American Flag. The favorite variety. **Pkt. 10c.**

LETTUCE

New York or Wonderful. The finest head lettuce grown. The immense heads are solid, heavy, beautifully bleached to a creamy white with bright green outer leaves. The quality is unsurpassed, being tender, crisp and sweet. Used by all market gardeners. **Pkt. 10c; oz. 25c; ¼lb. 75c.**

The following varieties at the uniform price of **pkt, 10c; oz. 20c; ¼lb. 50c, postpaid.**

Hanson. An old standard variety that produces a fine head. White meated, crisp and tender.

Early Prizehead. A brown tinged leaved head lettuce that is a great favorite.

Early Curled Simpson. The leading curly variety, extra crisp and tender.

May King. The leading butter lettuce. Rich and tender.

Brown Dutch. The leading brown variety. Forms a large, solid head, sweet, tender and good flavor.

Grand Rapids. This is used for forcing mostly, but some like it as it is very early, for outdoor planting.

Big Boston. A very large, loose headed variety, often called a butter lettuce on account of the color.

Chicken Lettuce. Just the thing for Poultry Men. This Lettuce yields an immense amount of chicken or rabbit feed. It does not form a head but sends up stalks three or four feet high and when cut it immediately starts to grow again. The leaves can be pulled off the stem like kale. Loaded with leaves. **Pkt. 10c; oz. 15c; ¼lb. 40c.**

MUSTARD, FOR GREENS

The leaves of these varieties of Mustard, excepting WHITE ENGLISH, as listed here, make excellent greens of sharp, pungent flavor, and are cooked the same as spinach or beet leaves. Sow seed in drills early in the spring and at frequent intervals throughout summer to secure a constant supply of fresh greens. Mustard is hardy and is easily grown. One ounce will sow 50 feet of row.

Chinese. A very hardy, broad-leaved variety. Leaves are thick and deeply savoyed. **Pkt. 10c; lb. $1.00.**

Giant Southern Curled. Large variety forming a great mass of beautiful leaves, which are ruffled and finely curled on the edges. Hardy, vigorous, highly recommended. **Pkt. 10c; lb. 75c.**

White English. Seed yellow and pungent, used for grinding and for flavoring pickles. **Oz. 10c; lb. 60c.**

MUSK MELON

Price, **postpaid, pkt. 10c; oz. 15c; ¼lb. 40c.**

Large Yellow Cantaloupe. The flesh is light, yellowish green, very sweet, crisp and delicious.

Burrel Gem. The favorite market variety. Orange flesh which is very deep and delicious.

Honey Dew. This is the new melon that has proven a great success. The fruit is large, green fleshed and delicious flavor. **Pkt. 10c; oz. 15c; ¼lb. 40c; lb. $1.50.**

Rocky Ford or Netted Gem. The fruit is oval, slightly ribbed, densely covered with coarse netting. Green fleshed. Fine for the market.

Green Nutmeg. An extra early variety that is fine for the home garden. Flesh green, fine and sweet.

Casaba. An excellent melon with very thick flesh.

Hearts of Gold, or Hoodoo. Nearly round, orange fleshed, medium size.

Early Hackensack. Medium size, green fleshed.

Emerald Gem. Very early, small sized to medium, orange fleshed.

WATER MELON

Prices, **pkt, 5c; oz. 10c; ¼lb. 30c.**

Early Fordhook. The best early melon for this valley for home use.

Sweet Heart. An excellent melon and a good shipper for the market.

Ice Cream. An old favorite that every one likes.

Tom Watson. A long melon that is fine for home garden or market.

Kleekly's Sweet. One of the favorite melons for this valley.

Black-Seeded Ice Cream Watermelon.—A splendid shipping melon, does exceptionally well in any soil which grows melons. Almost round, pink meated, black seeded, a fine keeper. Drought-resistant, ripens early. Most lucious and handsome. If fond of waterwelons, try this one. **Pkt. 10c; oz. 15c; ¼ lb. 50c; lb. $1.50.**

CITRON

Used for preserves. **Pkt. 10c; oz. 20c.**

ONIONS

Write for Special Prices on large orders.

Oregon Yellow Danvers. A standard market variety developed in Oregon. A half globe shape with small neck. **Pkt. 10c; oz. 25c; ¼lb 60c; lb. $1.50, postpaid.**

Yellow Globe Danvers. A handsome globe shaped variety that commands the top price on the market. Now the principal onion grown here for the market. **Pkt. 10c; oz. 25c; ¼lb. 60c; lb. $1.50, postpaid.**

White Globe. A pure white, globe shaped variety. Flesh hard with wax like pearl flesh. Used a great deal as a green onion for the market by gardeners. **Pkt. 10c; oz. 30c; ¼lb. $1.00; lb. $3.00, postpaid.**

White Portugal or Silverskin. Skin and flesh. pure white, mild and flat shape. **Pkt. 10c; oz. 25c; ¼lb. 75c; lb. $2.50, postpaid.**

Sweet Spanish Onions. Mild, sweet flavor, firm meat, fine and tender. Fine for early market and home use. **Pkt. 10c; oz. 50c.**

White Bermuda. A large flat onion, very mild and tender. Best of all for home use. **Pkt. 10c; oz. 50c.**

Large Red Weethersfield. An old favorite, **pkt. 10c; oz. 25c.**

Australian Brown. The longest keeping onion on the market. Used for onion sets in this section as well as market and home use. **Pkt. 10c; oz. 25c.**

Prizetaker. The largest of the yellow onions, globular shape, pale straw color. **Pkt. 10c; oz. 25c.**

ONION SETS

Bottom Onion Sets. Small onions grown from seed. Used mostly for green onions, but if left stand usually make large onions. **Postpaid, lb. 25c.**

Top Sets or Multipliers. So called winter onions as they grow all winter and are ready to use very early in the spring. **Lb. 30c, postpaid. Write for prices on large lots.**

PARSLEY

Double Curled. Very hardy and easy to grow. Used for flavoring and garnishing. **Pkt. 10c; oz. 15c.**

Hamburg or Turnip Rooted. A plain leafed variety forming a long thick edible root **Pkt. 10c.**

PARSNIP

Hollow Crown. Roots white, very tender, with smooth skin. **Pkt. 5c; oz. 15c; lb. 80c, postpaid.**

GARDEN PEAS

Any variety at the following prices: **Postpaid, pkt. 15c; lb. 40c; 10 lbs. $2.75. Not postpaid, pkt. 15c; lb. 30c; 4 lbs. $1.00. 4 lbs. postpaid $1.15.**

Blue Bantam. One of the fine early varieties on the market. Grows about 15 inches high, very productive, large podded and sweet.

Little Marvel. The dwarf, bushy vines, averaging 15 inches, are loaded with firm square-ended pods 2½ to 3 inches long, tightly filled with plump, luscious, deep green peas. As early as American Wonder and far outyields it.

American Wonder. The most popular early variety grown. A great favorite for home gardens.

Premium or Little Gem. An old standby of excellent quality.

Alaska. Extra early and hardy. May be planted in the fall in this valley and will produce a very large crop early in the spring. Fine for early market.

Gradus. Without doubt the most popular pea for the early market or home garden. Pods are extra large and well filled with large sweet peas.

Notts Excelsior. A fine early dwarf pea. Pods are well filled with sweet tender peas.

Dwarf Telephone. The most popular second early variety now on the market and the finest, sweetest pea grown.

Tall Telephone. The best mid season variety and a great favorite. Grown by all the market gardeners and cannot be excelled for home use.

Stratagem. One of the best of the large podded sorts. The pods are of immense size and well filled with large sweet peas.

Alderman. Excellent market variety. The large, dark-green pods, filled with big, sweet flavored peas, bring fancy prices and sell rapidly. Vines tall and vigorous; main or late crop variety.

Yorkshire Hero. A favorite variety for the second crop. Peas are of excellent quality. sweet and tender. Grows about 30 inches high.

Laxtonian. This is the finest dwarf early pea offered today. The vines grow eighteen to twenty inches high and produce an enormous crop of dark green pods as large as Gradus, maturing a few days ahead of that variety.

Duke's Delight. A very dwarf, extra early, delicious pea of great merit. The strong, healthy vines grow about 12 to 34 inches in height. Very productive, sweet and excellent flavor.

PUMPKIN

Any variety at the following prices except as noted: **Pkt. 10c; oz. 15c; lb. $1.00, postpaid.**

Winter Luxury. The most popular pie pumpkin. Medium size, color golden russet, finely netted flesh.

Pie or Sugar. A fine grained variety that makes dandy pies. Skin, orange; flesh, deep yellow. Very sweet.

Golden Cushaw. One of the finest cooking varieties.

King of Mammoths. Grows to an enormous size. Very productive. Used for feed.

Connecticut Field. Popular for field culture and excellent for stock. **Pkt. 5c; oz. 15c; lb. 85c, postpaid.**

PEPPER

Pkt. 10c; oz. 50c, postpaid.

Ruby King. Very large, sweet and mild. Bright scarlet.

Large Bell. Large, mild and thick fleshed. One of the best for stuffed pickles.

Chili. Pods are small and pointed. A hot one.

Pimento. A sweet pepper with a wonderful mild flavor.

Cayenne. Medium long, narrow, pointed, red pods. Very hot.

Chinese Giant. A pepper of exellent quality; very mild and popular for stuffing. **Pkt. 10c; oz. $1.00.**

RADISH

Any variety at the following prices: **Postpaid, pkt. 5c; oz. 10c. ¼lb. 30c.**

Early Scarlet Globe. A popular variety owing to its quick growth and fine scarlet color.

Early Scarlet Turnip or Rosy Gem. Used more than any other early variety. Color bright rose carmine with white tip. Globe shaped.

White Icicle. The most popular radish on the market. A handsome, white variety, growing about five inches long. Quick growing, crisp and mild flavor.

Long Scarlet, Short Top. A dandy radish. Color, bright carmine; flesh firm, about six inches long. Fine for market.

Brightest Long Scarlet. A very showy, long scarlet radish with white tip.

French Breakfast. A popular variety for market or forcing; it is about two inches long, stumprooted, bright rose color with white tip.

WINTER RADISHES

China Rose Winter. Bright rose color; flesh white and firm.

Mammoth White China. Roots are from ten to twelve inches long, solid, crisp and tender.

Long Black Spanish. Flesh, white; one of the latest and hardiest.

RHUBARB

Victoria or Mammoth. Very large, finest cooking variety. **Pkt. 10c; oz. 20c; ¼lb. 50c, postpaid.**

SUNFLOWER

Mammoth Russian. The favorite variety. Grown for ensilage, feed, etc. **Lb. 15c; postpaid, 25c.**

SQUASH

Table Queen. A miniature squash growing about 7 inches long and 4 to 5 inches thick. The color is deep green contrasted with orange and red where it rests on the ground. Very sweet and fine grained and suited for home or market. Very easy to grow. It is a splendid keeper for Winter use. **Pkt. 10c; oz. 20c; lb. $2.00.**

Mammoth Summer Crookneck. Flesh tender and good quality. **Pkt. 10c; oz. 15c; lb. $1.25.**

Mammoth White Bush Scallop. The best summer sort for the market. **Pkt. 10c; oz. 15c; lb. $1.25.**

Hubbard. The best seller and most popular squash; keeps through the winter. **Pkt. 10c; oz. 15c; lb. $1.25.**

Golden Hubbard. The same size, shape and quality as the well known Hubbard squash, except that it is a bright red or golden color, and somewhat earlier; it is also a long keeper, vigorous and wonderfully productive; in flavor it has no equal. **Pkt. 10c; oz. 15c; ¼lb. 40c; lb. $1.25.**

Banana Squash. This is a long squash that cooks up very fine with a wonderful flavor. Does extra well in this climate. **Pkt. 10c; oz. 15c; lb. $1.50.**

Boston Marrow. Skin yellowish, very thin; flesh dry and fine grained; of unsurpassed flavor. **Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. $1.00.**

Delicious. An extra sweet, fine grained, dry cooking squash, medium size. Fine for home use or market. **Pkt. 10c; oz. 20c; lb. $1.50.**

Mammoth Chili. The largest of all squashes, valuable for stock feeding. **Pkt. 10c; oz. 15c; lb. $1.25.**

SALSIFY OR VEGETABLE OYSTER

Mammoth Sandwich Island. The leading tender variety. Produces a large crop of straight smooth roots. **Pkt. 10c; oz. 20c.**

SPINACH

Any variety at the following prices: **Pkt. 10c; ¼lb. 25c; lb. 60c, postpaid.**

Savoy. Leaves large, round and thick. One of the earliest sorts.

Prickly Winter. Hardiest variety. Must be sown in the fall. Leaves long, pointed and thick.

Long Standing. An improved variety for general use. Remains in edible condition over long period, as it is slow to go to seed.

Improved Thick Leaved. A variety which grows very rapidly, forming a cluster of large, very thick, slightly savoyed leaves of fine color, and quality when cooked. Best for market gardeners

King of Denmark. This variety will, in time, replace all other varieties for spring plating. It is very slow to go to seed, continuing to grow and hold its fine qualities long after other varieties are gone. Early and excellent quality.

TOMATOES

Bonny Best. Highly prized by many Oregon growers. Tomatoes large, smooth and of a rich scarlet red, the color that sells quickly. Fruit thick with a small core, a profitable tomato for any purpose. Slices exceptionally well. Flesh and flavor excellent. Nearly globe shaped, slightly flattened at stem. **Pkt. 10c; oz. 35c.**

Improved Stone. A main crop tomato of extra fine quality and beautiful deep red color. **Pkt. 10c; oz. 35c.**

Tree Tomato. Dwarf Champion. A very heavy yielding tomato of excellent quality. **Pkt. 10c; oz. 35c.**

Chalks' Jewel. An early variety that is well adapted for this climate as it is extra early and bears throughout the season. **Pkt. 10c; oz. 35c.**

Sparks' Earliana. Large, smooth and early; beautiful red color. **Pkt. 10c; oz. 30c.**

Yellow Pear. Fruit small and globe shaped. Fine for preserves. **Pkt. 10c.**

Husk or Ground Cherry. Used for preserves. **Pkt. 10c.**

John Baer. An early, bright scarlet tomato that does exceedingly well here. Large, smooth and fine color. Thick meated. **Pkt. 10c; oz. 35.**

Marglobe. A new variety developed by U. S. Dept. of Agr. Is very wilt resistant and is resistant to all head rust. Scarlet flesh and solid. **Pkt. 10c; oz. 50c.**

TOBACCO

Connecticut Seed Leaf. Best adapted for general use. **Pkt. 10c.**

TURNIPS

Any variety at the following prices: **Postpaid., pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 60c, except** when noted.

White Egg. Is excellent flavor, clear white, sweet and mild.

Early Purple Top, Strap Leaved. Flat in shape. The leading white variety; one of the best for all purposes.

Purple Top, White Globe. The favorite variety. Excellent quality.

Yellow Aberdeen. Round, medium size, light yellow.

Cow Corn. Grows half out of the ground and is a rapid grower. Immense yielder.

White's Special Market White Globe Turnip—with purple top. This is a special strain that has been developed and is the finest market variety grown. **Oz. 15c; ¼ lb. 35c; 1 lb. 75c.**

White Milan. A small white variety, very tender and sweet. A dandy table variety. **Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. $1.50.**

Orange Jelly or Golden Ball. A globe shaped, yellow variety, with firm and crisp yellow flesh. A very fine table variety. **Oz. 15c; lb. 85c.**

RUTA BAGA

Same price as Turnips.

American Purple Top. Grows to a large size and produces an immense crop.

Sweet Russian. Most excellent for table and stock. Sweet and rich.

VEGETABLE PLANTS AND ROOTS

We handle the output of several large growers and can furnish fine plants during the season.

We do not name the various named varieties that we handle, as it varies with the seasons, but will be glad to send you a list at any time when you are ready to plant.

For those wanting large lots, write for special prices, stating quantity wanted.

During the season, we handle Cabbage, Tomato, Cauliflower, Kale, Brocoli, Pepper, and various other garden plants and would be glad to quote prices at any time.

ASPARAGUS ROOTS. One year old plants, good and strong. **Doz. 25c; postpaid, doz. 35c; 100 for $1.25, by freight or express collect.**

SEED POTATOES

Write for prices

Burbanks. One of the best varieties grown in the Northwest and a favorite market variety.

Netted Gem. Becoming a very popular variety and is a fine potato in every way. A heavy yielder.

Earliest of All. Without doubt, the earliest variety on the market. White in color and cooks fine.

Early Rose. A favorite variety and well known for many years.

Early Ohio. One of the finest of all the early potatoes; a very heavy yielder on nearly all types of land.

Early White Rose. This is a very heavy producer; large, round, smooth, white potato.

VIO-RAY GLASS

This takes the place of glass in green houses, hot beds, poultry houses, porches, windows, etc. Non-breakable and everlasting. **$1.35 per sq. yd.**

VIO-RAY GLASS CLOTH

This is a specially prepared cloth that can be used for many purposes. **35c per sq. yd.** Special prices on Vio-Ray Glass and Glass cloth in larger lots.

OLD HICKORY SMOKED SALT

This smoked salt gives that smoke flavor that you like. Even better than can be given by the best of the old fashioned process by smoking in a smoke house without all the danger and trouble of smoking your meat. **10 lb. can, each $1.10.**

SPENCER SWEET PEAS

We offer you a wonderful selection of the finest Spencer Sweet Peas in the various colors and shades. Our Sweet Peas are grown especially for us by the best growers and are the best to be obtained.

All of the following Special Varieties at **10c per pkt; 35c per oz, postpaid.**

Miss California. A dandy shade of Orange-Salmon on cream pink.

Crimson King. A deep blood red. Very attractive.

Camp Fire. The finest Scarlet grown, sun proof.

The Sultan. Glossy, black maroon.

Youth. White with margin of pink. Picoote. Very attractive.

King White Spencer. A pure white flower of enormous size, beautifully fluted and crinkled. Of pplendid substance.

King Scarlet Spencer. Bright crimson scarlet, largest size, wavy standards. Very long stems, the finest bright scarlet.

Mrs. Hugh Dickinson. A beautiful combination of Buff, Apricot and Rose.

Helen Lewis. A beautiful orange pink. One of the finest Spencers. Bright orange standard.

Margaret Atlee. The Spencer Supreme. Magaret Atlee is a rose-salmon pink, on a creamy rich buff ground, soft color and extremely attractive, both as individual flowers and in the bunch. The standard is large and wavy, and inclined to double under favorably conditions.

Countess Spencer. Pink. Flowers extremely large, beautifully expanded, crumpled and waved. Color silvery white, suffused with soft shell pink, deeper at the outer edges.

Primrose Spencer. Color, true primrose. Very vigorous, free flowering, excels in beauty of form, length of stem and keeping quality.

Decorator. This great sweet pea is a wonderful shade of old rose and orange combination.

R. F. Felton. An extra large lavender and very rich color. Said to be the finest of all the lavenders.

Maroon. The deepest of all the red or scarlet varieties.

Royal Purple. The nearest true purple sweet pea grown. Often called Elk's Purple. Very rich color.

Wedgewood. A beautiful silvery blue sweet pea.

Illuminator. Possibly the most popular and finest sweet pea grown. A wonderful salmon orange color.

Mary Pickford. A beautiful dainty cream pink with just a trace of salmon pink. A great favorite.

Hebe. Large flowers, old rose with pink shading.

Austin Frederich. Improved. The finest pure lavender.

Dobbie's Cream. The truest cream colored sweet pea on the market. Grows extra large.

Lavender Orchid. A beautiful new shade of orchid.

Mrs. Tom Jones. a new Blue of extra fine quality.

Fiery Cross. One of the finest of the Scarlet shades.

Our Superb Mixture. True Spencers only. A splendid mixture, carefully proportioned and blended to produce pleasing and harmonious combinations of color, containing the most beautiful shades and varieties of the wonderful Spencer type. These are not seedlings, but carefully selected named varieties that retain all their purity and brilliancy of color. **Pkt. 10c; oz. 25c; lb. $2.50.**

NASTURTIUM

Fancy Climbing Varieties. A fine selection of the different climbing varieties in assorted colors all mixed together. **Pkt. 10c; oz. 15c; ¼lb. 50c; lb. $1.50, postpaid.**

Fancy Dwarf Nasturtiums. A fine mixture of choice varieties and colors. **Pkt. 10c; oz. 15c; ¼lb. 50c; lb. $1.50, postpaid.**

FLOWER SEEDS

We carry a fine selection of all the leading varieties of flower seeds. Just order whatever variety you want and we will send it promptly.

All the varieties with a few exceptions are **10c per pkg., postpaid.** On account of lack of space in catalogue we do not find it profitable to catalogue a flower list but we carry a very large stock.

FIELD SEEDS

The following prices are the market prices of today and are subject to market change When ready to buy, write us for prices, stating quantity wanted and we will quote you the market price at that time. Or, send in your order based on the following prices and we will guarantee that we will give you full value for money sent, whether the price at the time you order be higher or lower, or if the difference is very great, we will notify you before shipping.

We make a specialty of High Grade, Recleaned, Tested Seeds and Grains and we believe that the quality we are offering is the best that can be obtaines on the market.

If wanted by parcel post, add regular parcel post rates, according to zone distance from Salem.

Quantity prices are as follows: **1 to 9 lbs. at lb. price; 10 to 24 lbs. at 10 lb. price; 25 to 49 lbs. at 25 lb. price; 50 lbs. or more at 100 lb. price.**

RED CLOVER

Extra Fancy Quality

We are in a position to offer you the finest Western grown Red Clover that is obtainable on the market. Located in the heart of the growing section, we select the finest lots for our retail trade.

Red clover is the standard clover for all purposes. Hardy and thrives well on nearly all land. Makes superior hay or pasture. **Price, postpaid, lb. 45c; Fancy, not postpaid, lb. 35c; 25 lb. lots at 32c per lb.; 50 lbs. or more at 30c. per lb.**

MAMMOTH RED CLOVER

This is an extra large growing clover, very similar to the regular red clover only growing larger. **Lb. postpaid, 45c; not postpaid, lb. 35c; 25 lb. lots at 34c. per lb.; 50 lb. lots at 33c. per lb.**

ALSIKE CLOVER

Fancy Quality

Excellent for hay and pasture. Grows on land too wet for other clovers. **Price, per lb. postpaid, 45c; not postpaid, lb. 35c; 25 lb. lots at 32c per lb; 50 lb. lots or more at 30c per lb. Choice quality, 25 lb. lots at 30c per lb; 50 lb. lots a 29c per lb.**

SWEET CLOVER, White Blossom

This clover is being tested on various lands of the Northwest and has proven in most tests, very successful. It makes a great pasture and is the best soil builder of all the clovers. Makes a wonderful bee feed. **Price, postpaid, lb. 35c; not postpaid, lb. 25c; 25. lb lots. at 20c per lb; 50 lb. lots at 18c per lb.**

LADINO CLOVER

This new Mammoth White Clover has proven a wonderful pasture clover. Grows on any kind of land, easy to catch crop and a great producer. Grows several times as large as common white clover and has the same valuable feeding qualities. Fancy recleaned seed, $1.25 per lb., postpaid.

Mixed Ladino and Alsike Clover. Have choice lot of mixed seed that is suitable for sowing for pastures. **Prices, 50c to 75c per lb.,** according to grade.

MIXED ALSIKE AND WHITE CLOVER

This is a mixture of the common white clover and Alsike clover and is sown for pastures. **Lb. postpaid, 45c. Not postpaid, lb. 40c; 10 lbs. $3.50, 25 lbs. $8.00, 50 lbs. or more at 30c per lb.**

CRIMSON CLOVER

Highly recommended for pasture and cover crop purposes. A thrifty annual growing from 20 to 30 inches high. **Price, per lb. postpaid, 30c. Not postpaid, lb. 20c.** Write for prices on larger lots.

BURR CLOVER

Used for pastures and especially valuable for cover crop. **Lb. postpaid, 30c. Not postpaid, lb. 20c; 25 lbs. 18 cts. per lb. 50 lbs. or more at 16c per lb.**

WINTER BLUE GRASS

Poa Bulbosa. This has proven a wonderful pasture grass in Southern Oregon and elsewhere where it has been tested. Grows only in fall, winter and spring and then becomes dormant. A very heavy cropper of excellent grass. **Price, per lb. postpaid, $1.00, 10 lbs. $8.50; 25 lbs. $20.00; 50 lbs. or more at 75c per lb.**

ALFALFA

Our domestic alfalfa is acclimated and is the highest grade of Northwest Seed. **Price, lb. postpaid, 45c; not postpaid, lb. 35c; 10 lbs, $3.40; 25 lbs. $8.25; 100 lbs. $32.00.**

CERTIFIED GRIMM ALFALFA

We usually carry in stock Certified seed from Idaho and Montana. This seed is field inspected, by the State Seed Inspectors and is the finest seed obtainable. **Price, per lb. postpaid, 60c. Not postpaid, lb. 50c; 50 lbs., or more at 49c. per lb.**

Grimm alfalfa is the hardiest alfalfa known. It seems to thrive and make a good crop where other varieties are a failure. Oregon Experiment Station recommend it very highly for the Northwest.

Our seed is the safest to buy as you know that you are getting pure Grimm Alfalfa as on account of the difference in price, many mixed lots have been sold as Grimm which possibly only contained a trace of Grimm. **Price, per lb., postpaid, 55c; not postpaid, lb. 45c; 50 lb. lots or more at 40c per lb.**

Italian Rye Grass. Similar to the above variety but more adapted to wet lands. Imported Seed. **Lb. postpaid 25c; not postpaid, lb. 15c; 25 lb. lots or more at 8c per lb. Write for quantity prices.**

Sudan Grass. This grass has solved the feeding question for summer green feed. Produces very heavy crop of excellent feed. **Lb. 20c. Write for prices, large lots.**

Western Rye Grass. This seed is being grown in this valley both as a seed crop and for pasture. The demand for the seed has been very large and it is shipped to all parts of the United States and some exported. **Lb. postpaid, 20c. Not postpaid, 10c; 25 lbs lots at 8c per lb.; 50 lbs. or more at 7c per lb.**

Orchard Grass. Possibly the most valuable of all the grasses for all kinds of land, especially hills. Makes a great pasture. **Lb. postpaid, 35c; not postpaid, lb. 25c; 25 lb. lots or more at 22c per lb. Write for quantity prices.**

Red Top. Fancy Hulled Seed. Used for pastures, especially valuable for wet land. Also makes a very good lawn. **Lb. postpaid, 40c; not postpaid, lb. 35c; 25 lb. or more at 30c per lb.**

Meadow Fescue. A hardy perennial grass. Used for pasture and also for lawns. **Lb. postpaid, 40c; not postpaid, lb. 35c; 25 lb. lots at 32c per lb.**

Sheep Fescue. Does well on dry, poor, shallow or sandy soils. **Lb. postpaid, 45c. Not postpaid, lb. 40c; 25 lb lots at 32c per lb**

Tall Meadow Oat Grass. This grass is proving itself as a great pasture grass both in the valley and along the coast. The demand has increased many times within the last few years as it has proven that it will stand heavy pasturing. **Lb. postpaid, 40c. Not postpaid, lb. 35c; 25 lb. lots at 30c lb.; 50 lbs. or more at 27c per lb.**

PASTURE MIXTURE

This is a mixture of Rye Grasses, Timothy, Mesquite, Clovers, etc., for pasture purposes. Good on burned and logged-off lands. **Lb. postpaid, 25c; not postpaid, 15c; 100 lbs. $12.50.**

Low Land Pasture Mixture. A special mixture suitable for low and wet lands. **Lb. postpaid, 30c; not postpaid, 20c; 100 lbs. $17.50.**

High Land Pasture Mixture. A mixture adapted for the hills and higher lands of western Oregon. **Lb. postpaid, 30c; not postpaid, 20c; 100 lbs. $17.50.**

Burn Mixture. This is a cheaper mixture for rough land and is only recommended for land not suitable for cultivation but still can be used for pasture. **$10.00 per 100 lbs.**

SOILTEX

TEST FOR ACID SOIL

Tells how much lime your soil requires. Very easy to use and accurate and inexpensive. Enough for about 50 tests in one package.
$1.00 per package postpaid.

FOR THE LAND'S SAKE

USE

McQueen's Inoculator

The Modern Legume Inoculator

MODERN farmers demand modern methods of farming, and agree that all legume seed should be inoculated. McQueen's Inoculator is the modern legume inoculator — made for farmers — by farmers—to make farming pay. It is field bred and farm grown and is able to give fine results under your field conditions.

McQueen's Inoculator is the only nitrogen fixing bacteria that is

ABSOLUTELY GUARANTEED

to give satisfactory results or your money back. This is for your protection. You are the judge of results

Inoculate your Alfalfa, Sweet Clover, Soy Beans, Vetch, Peas, Beans and Clovers of all kinds with McQueen's guaranteed Inoculator that hastens maturity, increases the crop, improves its quality, enriches the soil and saves fertilizer bills.

Simple directions for mixing Inoculator with your seed are printed on each and every package of McQueen's. Only a few minutes of your time is required to inoculate your legume seed. Many Master Farmers use McQueen's. Tremendous sales on McQueen's Inoculator enables us to offer this quality merchandise at the following

REDUCED PRICES

FOR CLOVER AND ALFALFA

½ bushel size Inoculates	30 lbs. seed	$ .50
1 bushel size Inoculates	60 lbs. seed	1.00
3–1 bushel size Inoculates	180 lbs. seed	2.50
6–1 bushel size Inoculates	360 lbs. seed	4.50

FOR SOY BEANS, COW PEAS, VETCH AND OTHER PEAS AND BEANS

1 bushel size Inoculates	60 lbs. seed	$ .50
2 bushel size Inoculates	120 lbs. seed	1.00
3–2 bushel size Inoculates	360 lbs. seed	2.50
6–2 bushel size Inoculates	720 lbs. seed	4.50

GARDEN SIZE

For Garden Peas, Beans, Sweet Peas and Lima Beans ..... .20

Be sure to include McQueen's Inoculator with all your Legumes Seed orders.

Always state kind of seed you wish to inoculate.

DWARF ESSEX RAPE

The English Broad Leaved Rape, or Holland Rape makes far more feed than the common rape. It grows larger and is a faster grower.

Those who have planted it the last few years will not accept any other varieties. We import our stock direct from Holland so that you are sure of getting genuine seed. Makes a wonderderful pasture in this valley. **Price, postpaid, 25c per lb. Not postpaid, lb., 15c; 10 lbs., $1.25; 50 lbs., or more 10c per lb.**

GRASS SEEDS

REID'S CANARY GRASS

This is that wonderful grass that has been grown in Coos County and is the greatest producer for wet land we have seen for pasture. **Price, per lb. $1.50, postpaid.**

HARDING GRASS

This is the wonderful new grass that was introduced from Africa, by J. A. Stanbaugh, about six years ago. It has proven a wonderful success. We have never found any grass that produces the pasture and feed of this grass. Sow five pound per acre broadcast without nurse crop of any kind on cultivated land, as soon as land can be well worked in the spring. Try this great grass.

Write for circular. **Prices as follows: Postpaid and insured, lb. $1.50; 25 lb. lots at $1.35 per lb; 50 lbs or more at $1.25 per lb.**

Mesquite. This grass is very popular for sowing on rocky and hilly soil, on wet lands and as a pasture grass on logged-off and burnt over lands. Comes very early in both spring and fall and produces very heavy. Fancy seed. **Lb. postpaid, 35c; not postpaid, lb. 25c; 25 lb. lots at 22c per lb; 50 lbs. or more at 20c per lb.**

Millet. On some lands that are sandy and warm, millet has been a productive crop. Used mostly for hay and poultry feeding when threshed. **Write for prices and varieties.**

Timothy. Used very extensively for hay and pasture. **lb. 15c; postpaid, 25c; 10 lbs. $1.00, postpaid, $1.15; 50 lbs. or more at 9c per lb., not postpaid.**

English Rye Grass. Possibly the most popular grass grown in Western Oregon and Washington. Thrives well on all kinds of lands; used mostly for pasture but makes a good hay. **Lb., postpaid, 25c; not postpaid, lb. 15c; 25 lbs.or more at 10c per lb. Write for quantity prices.**

LAWN GRASSES

OUR SPECIAL LAWN GRASS MIXTURE

This is a very fine mixture of high grade lawn grasses and extra fancy white clover seed. Contains Bent Grass, Kentucky Blue Grass, Fescues, and several other grasses as well as white clover. Some of the finest lawns in Salem have been seeded with this mixture. **Price, per lb. 60c; postpaid, 70c.**

FANCY LAWN GRASS

In our Fancy Mixed Lawn Grass Seed we have the proper proportions of the various grasses that go to make a beautiful lawn.

The seeds that go into this mixture are all tested and recleaned in first-class shape and are the best quality on the market. **Price, per lb. 50c, postpaid, 60c. lb.**

SHADY NOOK LAWN GRASS

This is a mixture that has been selected to grow in shady places and gives the best of results. All seeds are of the best quality that are used in this mixture and make a nice velvety lawn. **Per lb. 50c; postpaid, 60c lb.**

CREEPING BENT GRASS

We have some seed of this great lawn grass that is imported from Europe. Makes a wonderful lawn. **Price, per lb. $1.00; postpaid, $1.10.**

MEADOW FESCUE

This makes a very nice lawn and is very hardy and makes a good sod. Our seed is extra good quality. **Lb. 40c; postpaid, 50c.**

CHEWINGS FESCUE

This makes a wonderful sod and is used in shady places and under trees, etc. Makes a very fine lawn either alone or with other grasses. **Lb. 50c; postpaid, 60c.**

FANCY WHITE CLOVER

We handle only the finest white clover on the market. We have a very large trade on this seed and import direct from Europe, where the finest seed is grown. **Lb. 60c; postpaid, 70c. Special prices on large lots.**

KENTUCKY BLUE GRASS

Still the great favorite for lawns. More of this grass is used for lawns than any other grass on the market. **Lb. 60c. Postpaid, 70c.**

FANCY RED TOP

Used a great deal for lawns, especially in mixtures. **Lb. 40c; postpaid, 50c.**

OREGON BENT GRASS

Sometimes called Seaside Bent, Coos County Bent, etc. We have some very fancy, pure seed. **Lb. $1.25.**

COLONIAL BENT OR RHODE ISLAND BENT

Used very extensively for lawns and on golf courses. **Lb. $1.50.**

SEED GRAINS

Write for prices when in the market.

Recleaned Marquis Spring Wheat. The heaviest yielding spring wheat grown in the Northwest. Heads are beardless, chaff smooth and kernel dark amber in color. Very heavy and grades as hard wheat.

Kinney Wheat. An old standard wheat that has been grown for years here and always produces a good crop. May be sown either fall or spring.

White Winter Wheat. This is the favorite variety for this section of the valley especially for the prairie and lower lands. Planted in fall and early winter.

Gray Oats. Sown both fall and early spring and the standard oat for this valley and western Washington and Oregon.

White Oats. Have some very choice seed oats of this well known variety, clean and fine quality.

Spring Rye. Makes a good crop sown in the spring.

Fall Rye. Always makes a crop and can be sown on poor land that will not raise other grain. Makes an abundance of pasture and green feed and also a fine cover crop for orchards and berries.

Hanchean Spring Barley. Usually does best on light land but is grown nearly everywhere.

Fall Barley. Barley is being planted in the fall and has proven very productive. The acreage has increased several hundred percent the last year and farmers are well satisfied with the results.

Cheat Seed. Recleaned. This is used as a hay crop especially on wet lands and when cut and taken care of at the right time makes a good hay.

Canada Field Peas. Field peas are becoming more popular every year. They make a good hay; make a great hog feed and are used for silos.

Tangier Peas. Used for sowing for green feed and for hay. Used especially along the coast.

VETCHES

Oregon Vetch (Common Vetch). One of the best forage plants grown on the Pacific Coast. It furnishes an abundance of green, makes a fine hay; used for silos, pasture, and is unexcelled as a cover crop. **Price, per 100 lbs. $3.50.**

Hungarian Vetch. This is proving a wonderful vetch; it seems to be adapted for land too heavy and wet for common vetch; is aphsis proof; seems to stand more freezing than other vetches and is very productive. Can be used for all purposes that common vetch is used for with the assurance of making a crop when other vetches are a failure. **Price, per 100 lbs. $3.00.**

Sand or Hairy Vetch. This thrives on poor, arid, sandy soil, but will grow anywhere. Is a winter vetch and should be planted in fall when to be cut for crop or seed. Can be seeded in spring for pasture. **10 lbs. postpaid, $2.00; 100 lbs., by freight or express collect, $10.00.**

Vetch and Oats. This is a mixture prepared for hay and is the usual mixture sown in this valley. Consists of recleaned grey winter oats and Oregon vetch. **Write for prices.**

Purple Vetch. This is used as a cover crop only. Market prices.

HIGH GRADE FERTILIZERS

Fertilizers in the Northwest are just commencing to be used.

In a few years, nearly all our farms, orchards, gardens, etc., will have to be fertilized in order to be profitable.

You will find it profitable to use a good fertilizer for what ever crop you may be growing.

SWIFTS RED STEER BRAND FERTILIZERSS

Brand B. 2 12 3. A complete general fertilizer for gardens, truck farms, etc. **125 lbs. bags, $3.25; ton, market price.**

Brand C. 3 10 4. Berries and small fruits. **125 lb. bag, $3.50; ton, market price.**

Brand E. 3 10 10. Very strong in potash, especially adapted for onions, kale, cabbage, etc. **125 lb. bag, $4.00; ton, market price.**

Nitrate of Soda The cheapest and best way to apply nitrogen to plants. Applied right, produces wonderful results. **25 lbs. $1.15; 100 lbs. $3.50, ton, market price.**

Muriate of Potash. Used especially on fruits and onions to make a firmer, better grade. **25 lbs. $1.15; 100 lbs. $3.25; ton, market price.**

Acid or Superphosphate. 17½ % Valuable on fruits and berries as it improves the color and shipping qualities. Also helps to make the fruit set when blooming. **125 lb. bag, $2.00; ton, market price.**

Sulphate of Ammonia. 25%. A wonderful, quick acting fertilizer for lawns, gardens, fruit, etc. **25 lbs. $1.50; 100 lbs. $4.50.**

Pure Bone Meal A slow acting fertilizer that is one of the best kinds to use for continued Growth. **25 lbs. $1.00; 100 lbs. $2.75; ton, market price.**

Sheep Guano. We have a good grade of this valuable ferilizer and our price is especially low. **100 lbs. $1.50; ton, market price.**

H. O. Lime. This is a high grade lime made for fertilizer and for a disinfectant in barns, etc. **100 lbs. $1.50; ton, market price.**

Ground Lime Rock. Pure, ground lime rock. **100 lb. bag, 60c; ton, market price.**

Land Plaster. A high grade land plaster for clover, vetch, peas, corn, potatoes, etc. **100 lb. sack, 75c; ton, market price.**

More Crop Lawn Fertilizer. A high grade lawn fertilizer that is properly mixed and contains the various fertilizer ingredients to produce the finest lawns the year around. **100 lb. bag, $3.50.**

More Crop Garden Fertilizer. Contains the various fertilizers necessary for garden use. With this fertilizer, you can produce the finest of garden truck. **100 lb. sack, $3.00.**

LAWN FERTILIZER

Roselawn is the highest grade lawn fertilizer on the market and certainly makes the lawn grow. Also, used for roses, shrubbery and plants. **Lb. 10c; 3 lbs. 25c; 25 lb. bag, $1.25; 50 lb. bag, $2.25; 100 lb. bag, $4.00.**

Diamond Plant Food. Made for house plants, etc. **¼lb. pkg. 25c; 1 lb. pkg. 40c; postpaid, ½ lb. 35c; 1 lb. 50c.**

Flower Pots

We usually have in stock a complete stock of all the various sizes of Flower Pots, Bulb Pots Hanging Baskets, etc.

Prices are as follows, on Flower Pots and Bulb Pots:

FLOWER POTS			
2 inch, each	$ .02	doz.	$ .20
3 inch	.03	doz.	.30
4 inch	.05	doz.	.50
5 inch	.08	doz.	.85
6 inch	.12	doz.	1.25
7 inch	.20	doz.	2.00
8 inch	.25	doz.	2.50
9 inch	.45	doz.	5.00
10 inch	.70	doz.	7.50
12 inch	1.00	doz.	10.00

SAUCERS			
4 inch, each	4c	doz.	$ .40
5 inch	5c	doz.	.50
6 inch	8c	doz.	.85
7 inch	10c	doz.	1.00
8 inch	15c	doz.	1.50
9 inch	20c	doz.	2.00
10 inch	25c	doz.	2.50
12 inch	35c	doz.	3.50

Wire Hanging Baskets, 30c., Postpaid, 45c.
Clay Hanging Baskets, 8 inch, with wire hanger, 50c each.
Clay Hanging Baskets, 10 inch, with wire hanger, 90c each.
Clay Hanging Baskets, 12 inch, with wire hanger, $1.25 each.

Rabbit Dishes

Rabbit Feeders, 6 inch, 20c each; 8 inch, 30c each.
Rabbit Watering Dishes, 6 inch, 20c each; 8 inch, 30c each.

Poultry Stone Foundations

½ Gallon, $.50 1 gallon, $.75 each

2 gallon, $1.50

BEE SUPPLIES

HIVES AND SUPERS

8 Frame Hive. 1 story, with brood frames, top and bottom. **Each, nailed, $2.50; Case of Five, K. D., $11.00.**

8 Frame Hive. 1½ story, with brood frames, super, top and bottom, no sections or foundations. **Each, $3.50; Case of five, K. D., $14.00.**

8 Frame Hive. 1½ story, same as above with sections and foundation. **Each, $4.00; Case of five, K. D., $17.00.**

8 Frame Hive. Extracting supers, with brood frames, extracting frames, top and bottom. **Each, $3.50; Case of five, K. D., $14.00.**

8 Frame Hive. Body only, no top or bottom, empty. **Each, nailed, $1.00; Case of five, K. D., $4.00.**

8 Frame Hive. Body, with brood frames, no top or bottom, **Each, $1.50; Case of five, K. D., $6.00.**

10 Frame Hive. 1 story, with brood frames, top and bottom, **Each, nailed, $2.75; Case of five, K. D., $12.00.**

10 Frame Hive. 1½ story, with brood frames, super, top and bottom, no sections or foundation. **Each, $3.75; Case of five, K. D., $15.00.**

10 Frame Hive. 1½ story, same as above with sections and foundation. **Each, nailed, $4.25; Case of five, K. D., $19.00.**

10 Frame Hive. With Extracting Supers, 1½ story, with brood frames, extracting frames, top and bottom, no foundation, **$3.75.**

10 Frame Hive. Body only, empty, no top or bottom, **Each, nailed, $1.10; Case of five, K. D., $4.75.**

10 Frame Hive. Body with brood frames, no top or bottom, **Each, $1.75, Case of five, K. D., $7.25.**

8 Frame Supers. No sections or foundations but with section holders. **Each $1.00; Case of five, K. D., $4.50.**

8 Frame Supers. With sections and one sheet foundation. **Each, $1.40; Case of five, K. D., $6.50.**

10 Frame Supers. No sections or foundation, with section holders. **Each, $1.10; Case of five, K. D., $5.00.**

10 Frame Supers. With section holders, sections and one sheet foundation. **$1.50; Case of five, K. D., $7.00.**

8 Frame Extracting Super. With extracting frames. **Each, $1.00; Case of five, K. D., $4.50.**

10 Frame Extracting Super. With extracting frames. **Each, $1.10; Case of five, K. D., $5.00.**

8 Frame Covers. Each, 70c.
8 Frame Bottoms. Each, 60c.
Inner Covers. Each, 40c.
10 Frame Covers. Each, 75c.
10 Frame Bottoms. Each, 65c.

All hives and supers are made from the finest cedar and are dovetailed. The mill work is extra good and by far the best line we have been able to find on the market, regardless of price. You may be able to buy cheaper hives and supers but you will find it will pay to buy the best as they last much longer than the average stock.

SECTION HONEY BOXES

Our No. 1 Sections are made of the choicest white basswood lumber and are perfect in finish, and free from defects. They are not all snow white, but vary from that to a light cream color. Choice honey shows to best advantage in a section not too white, as it is the honey rather than the wood that the consumer looks to. **100, $1.50; 500, $6.50.**

SECTION HOLDERS

Six sections holder, with separators, one follower and wedge, are put in each super, and each holder holds four 1-lb. honey boxes. The bottom strip is ¼-inch thick, and is cut to fit in sets of sections, 1⅞x8½ inches, slotted. **Each, 6c; 100, $5.00.**

COMB FOUNDATION

Packed in 1, 2, 3, and 5-pound paper boxes, of 25 pounds in a case. Light standard brood grade, 6 to 7 square feet per lb. **Price per lb. 75c.** Light section grade 11 to 12 square feet per lb. **Price per lb. 85c.** If foundation is wanted by mail, add 8c per lb up to two lbs., and 2c per lb. over 2 lbs.

BEE SUPPLIES

HOFFMAN BROOD FRAMES

The Hoffman Improved Foundation Fastening Frames are the latest and best brood frames out. The top bar is made with a beveled strip which holds the foundation absolutely in place, perfectly straight and exactly in center of top bar. Anyone can put foundation in these new frames very rapidly. **Price Hoffman Frames, per 10, 75c; per 100, $6.00.**

Extracting Frames. For extracting supers. **Per 10, 75c; per 100, $6.00.**

SEPARATORS

One separator should always be placed between each section holder so that the bees will build the honey comb even in each section. Slotted wood separator, 4½x18, **per doz. 15c; per 100, $1.00.**

BEE VEILS

at Veils. These veils have a rubber band around the top so as to fit the hat snugly. The lower end is bound, to prevent fraying. The kinds of material are given below. **Price list, postpaid, No. 3 Veil, cotton tulle throughout, $1.00. Alexander Veils, each $1.25. Mosquito Bar Veils, 75c each, postpaid.**

BEE ENTRANCE GUARDS

Root's or Tinker's. These are to admit workers and exclude drones. After the drones are all out, fix the guards over the entrance, and at night the drones can be destroyed. **Price, 35c; by mail, 45c.**

TINNED WIRE

No. 30. Per spool, 10c, postpaid; ½ lb. spool, 25c; postpaid, 30c; ½ spool, 40c; 1 lb. spool, 65c.

BEE SMOKERS

Standard Smoker. It is neat in appearance and does not topple over easy. Makes a good strong blast, with little work. Very substantial. **Price, Standard, 3¼ inch, $1.35; by mail, $1.50.**

SPUR WIRE EMBEDDERS

Very convenient in putting in wire. **Each, 50c, postpaid.**

PARKER FOUNDATION FASTENERS

Holds the sections in place when putting in foundations. **Each, 50c; postpaid, 55c.**

BEE BOOKS

A. B. C. X. Y. Z. This is the most complete book published and no bee man can afford to be without it. **Postpaid, $3.15 each.**

ZINC HONEY BOARDS

No. 11, 8 frame, unbound, 45c; postpaid, 50c.
No. 1, 10 frame, unbound, 50c; postpaid, 55c.

PORTER BEE ESCAPES

The best on the market. **Each, 25c, unbound.**

BEE ENTRANCE GUARDS

Zinc front, 8 frame. Each, 40c, postpaid.

DRONE TRAPS

Alley's Improved. 8 frame. Each, $1.00; postpaid; 10 frame, each $1.10.

BOARDMAN'S FEEDERS

To be used with Mason jar. **Price, without jar, 35c; each, postpaid.**

POULTRY FOODS

Fish Meal. The grade we sell is the best obtainable. It contains nothing but pure fresh fish, properly processed and will not taint the eggs. **100 lbs. $4.75.**

Meat Scraps. Are rich in materials which make bone, muscle and lean meat. They insure health, thrift, and vigor and satisfy the natural craving of the bird's system for flesh-food in some form. Rich in protein. Can be fed dry or with cooked rations. **Lb. 10c; 10 lbs. 75c; 100 lbs. $4.50.**

Granulated Bone. We offer only highest quality, pure and clean Rich in phosphates, lime and protein. Should be kept before your chickens at all times. Feed in a sanitary Shell and Grit Box. **5 lbs. 25c; 100 lbs. $3.50.**

Oyster Shell Crushed. Best Grade pure hard Eastern oyster shell, crushed and sifted. Supplies lime material for egg shells. Does not take the place of grit as some think. Hens must have both shell and grit. Oyster shells should be within reach of your hens at all times. **12 lbs. 25c; 100 lb. sack, $1.25.**

Grit, Best Grade. Every poultry raiser should keep a supply of this grit in each pen. Baby chicks and ducklings must have it. Made in three sizes, chick, pigeon or broiler, and hen size. We always send hen size unless others are ordered. **12 lbs. 25c; 100 lb. sack, $1.00.**

Alfalfa Leaves. The best substitute for green food for winter feeding; helps keep the egg basket full; mixed with the soft feed is good for large or small chicks; endorsed by leading experts. **50 lbs. $1.60.**

Charcoal. Our stock is prepared especially for poultry and of highest quality obtainable; a preventative of bowel trouble; sour crop and indigestion; a health preserver. State size wanted. **A**, for mash; **B**, for chicks; **C**, for large chickens or hens. **Lb. 10c; 4 lbs. 25c; 50 lbs. $1.60.**

Poultry Pepper. A good tonic and invigorator. Ground. **Lb. 30c; postpaid, 40c.**

Tobacco for Poultry. We have a special high grade tobacco dust for Worms in Poultry. **2 lb. pkg. 40c; 10 lbs. $1.25. Cannot be mailed.**

Poultry Bone Meal. Made especially for mashes. **10 lbs. 50c; 100 lbs. $3.50.**

Sterilized Bone Flour. This is a very fancy Bone Flour made for animal feeding. Used by Dairymen, Fox Breeders, and in various mixtures of minerals. **10 lbs. 80c; 100 lbs. market price.**

Semi Solid Buttermilk. An essential feed for Baby Chicks and Laying Hens. You may be doing well from your poultry without it but tests show that you will do about 25% better with it. The cost is very small and you cannot afford NOT to feed it. Try a kit and see the results. **5 gals. $3.00, 10 gals. $5.25; larger containers at market price. Send for circular.**

COD LIVER OIL

Cod liver oil is becoming a standard feed. We have a high grade oil that has proven one of the very best on the market. It is very essential to get a good oil as a poor oil might cause a lot of trouble. Prices are as follows, **1 gallon, $2.00.**

PREPARED POULTRY FOODS

OUR MIXED FEEDS

We have just installed a large feed mixer and are now prepared to supply all mixed feeds of our own manufacture. **Prices on application.**

If you have a special mixture for any purpose that you prefer, we can mix it for you.

OUR OWN EGG MASH

We are offering a high grade, well proportioned Egg Mash, made from the highest grade materials on the market. We are using nothing but the best of feeds and concentrates and use no cheap fillers of any kind.

In trials made it has given excellent results

OUR SPECIAL EGG MASH

This is the sane mixture as the above Egg Mash with the addition of Dried Milk and Cod Liver Oil. This mash in competition with all the leading mashes on the market has proven the equal and in most cases the superior of any mash it has been tested with.

OUR OWN CHICK MASH

This is the proper mash feed to feed the first three weeks. Manufactured out of the finest of the grains, mill feeds, concentrates, Dried milk and minerals with the proper amount of cod liver oil added.

OUR OWN DEVELOPING MASH

Commence feeding when three weeks old and continue until time to change to the Laying Mash. Contains all the necessary ground grains, mill feeds, dried milk, minerals and cod liver oil. Produces those fine large pullets that make good layers.

OUR OWN BABY CHICK SCRATCH FEED

A well balanced feed of the proper grains to feed baby chicks. All recleaned and free from dust, dirt and screenings.

OUR OWN GROWING SCRATCH

After the chick out-grows the baby chick feed, commence with the growing scratch feed and feed until ready for regular scratch feed. Made from first class, recleaned grains.

OUR SPECIAL SCRATCH FEED

This is without doubt the finest scratch feed sold on the market in this section, regardless of price. Made from recleaned wheat, oat grotes, special cracked corn and sunflower seed.

OUR STANDARD SCRATCH FEED

Manufactured from No. 1, recleaned wheat, our special cracked corn and fancy recleaned grey oats, properly blended to make a good scratch feed at a reasonable price.

PIGEON FEED

A special mixture made especially for pigeons that has proven very good.

RABBIT FEED

Carry several well known brands of Rabbit Feed as well as cut alfalfa, Process Rolled Barley, Rolled Oats, Alfalfa Hay, etc.

OUR OWN DAIRY FEED

Many dairymen prefer to buy a prepared dairy feed when they know they can get an article that is made right and will produce the best results.

We have a prepared dairy feed that has given fine results. It is a proper mixture of ground grains, mill feeds and concentrates to produce milk and cream and still keep the animal in good shape. Buying in large lots we are able to make a close price.

POULTRY AND STOCK FOODS AND REMEDIES

Dr. Hess Stock Tonic. 3½ lb. pkg. 65c; postpaid, 75c; 10 lb. pgk. $1.50; postpaid, $1.70; postpaid $1.70; 25 lb. pail, $3.50; postpaid, $3.80.

Dr. Hess Panacea. 1½ lb. pkg. 30c; postpaid, 40c; 5 lb. pkg. 85c; postpaid, 95c; 12 lb. pkg. $1.75; postpaid, $2.00; 25 lb. pail, $3.50; postpaid, $3.80.

Dr. Hess Louse Killer, Powder. 1 lb. pkg. 30c; postpaid, 40c.

Dr. Hess Dip and Disinfectant. Qt. 75c; postpaid, 85c; ½ gal. $1.25; postpaid, $1.35; 1 gal. $2.00; postpaid, $2.15.

Dr. Hess Healing Powder. 4 oz. pkg. 25c; postpaid, 30c; 10 oz. pkg. 50c; postpaid, 55c.

Dr. Hess Roup Tablets. 4 oz. pkg. 50c; postpaid, 60c; 10 oz. pkg. $1.00; postpaid, $1.10.

Dr. Hess White Diarrhea Tablets. Small pkg. 50c; postpaid, 55c; large pkg. $1.00 postpaid, $1.05.

Dr. Hess Stock Worm Powders. 1½ lb. pkg. 50c; postpaid, 60c.

Dr. Hess Heave Powders. 1½ lb. pkg. 50c; postpaid, 60c.

Dr. Hess Poultry Worm Powders. This is a new remedy, put on the market after years of testing and is guaranteed to kill all kinds of poultry worms. 1½ lb. pkg. 60c; postpaid, 70c; 4 lb. pkg. $1.50; postpaid, $1.60. 10 lbs. $3.25; 25 lb. pail $7.50.

CONKEY'S POULTRY REMEDIES

Roup Remedy. Small pkg. 30c; postpaid, 35c; medium pkg. 60c; postpaid, 65c; large pkg. $1.20; postpaid, $1.25.

Cholera Remedy. Small pkg. 30c; postpaid, 35c; medium pkg. 60c; postpaid, 65c; large pkg. $1.20; postpaid, $1.25.

Gape Remedy. Small pkg. 30c; postpaid, 35c.

White Diarrhea Remedy. Small pkg. 30c; postpaid, 35c; medium pkg. 60c; postpaid, 65c; large pkg. $1.20; postpaid, $1.25.

Sorehead Remedy. Small pkg. 30c; postpaid, 35c.

Canker and Bronchitis Remedy. Pkg. 60c; postpaid, 65.

Limberneck Remedy. Pkg. 60c; postpaid, 65c.

Black Head Remedy. Pkg. 60c; postpaid, 65c.

Scaly Leg Remedy. Pkg. 30c; postpaid, 35c.

Lice Powder. 15 oz. pkg. 30c; postpaid, 35c; 48 oz. 60c; postpaid, 70c.

Head Lice Ointment. 1 oz. 15c; postpaid, 20c; 3 oz. 30c; postpaid, 35c.

Lice Fix. Small pkg. 30c; postpaid, 35c; large pkg. 60c; postpaid, 65c.

LEE'S POULTRY AND STOCK REMEDIES

The line of remedies manufactured by the Geo. H. Lee Co. are one of the most reliable lines sold on the market. They have built up a wonderful trade that is increasing each year until now it is one of the largest concerns of its kind. We surely can recommend the following items. Send for their book. Free.

Lee's Germozone. 4 oz. bottle, 40c; 12 oz. bottle, 75c; 32 oz. bottle, $1.50; ½ gallon bottle, $2.50; 1 gallon bottle, $4.50. Postage extra.

Lee's Lice Killer. Qt. can, 60c; ½ gallon. can, 90c; 1 gallon can, $1.50; 5 gallon can, $6.50.

Lee's Louse Powder. 1 lb. can, 30c; 2½ lb. can, 60c; postage extra.

Lee's Poultry Wormer. 12 oz. bottle, $1.25; 32 oz. bottle, $2.25; ½ gal. $3.75; 1 gal. $7.00.

Poultry Dosing Syringes, to apply wormer, 35c each.

Lee's Vapo-Spray, ½ gal. $1.25; 1 gal. $2.25.

Lee's Egg Maker. 2 lb. pkg. 50c; 5 lb. pgk. $1.00; 12 lb. pail, $2.25; 25 lb. pail, $4.25.

Lee's Hog Remedy. 12 lb. pails, $2.25; 25 lb. pails, $3.75.

Lee's Garden Insecticide, 1 lb. can, 35c; 2 lb. can, 60c.

Lee's Peerless Gopher Killer. Qt. cans, 75c.

Lee's Gizzard Tablets. This has proven the most successful worm remedy on the market. For Round Worms, Tape Worms, Pin worms in chickens and turkeys, etc. **Doz. 25c; 100 $1.75; 1000 $12.00.**

CARBOLINEUM

We have the genuine Carbolineum. As a spray or paint to use in poultry houses it is invaluable. **Qt. cans, 65c; ½ gal. cans, $1.00; 1 gal. cans, $1.75.**

STOCK AND POULTRY MINERALS

Carry in stock some high grade minerals. It pays to use a good mineral. **Prices on application as there are several grades.**

FLY SPRAYS

Hess Fly Spray. An old, reliable brand that gives good results. **Qt. can, 60c; ½ gal. can, $1.00; 1 gal. can, $1.50.**

Getzem Fly Spray. A spray that is giving very satisfactory results. **Qt. can, 60c, ½ gal. can, $1.00; 1 gal. can, $1.50; 5 gal. can, $6.50.**

Dairy Fly Foil. This is one of the best fly sprays we have tested. **Qt. can, 65c; ½ gal. can, $1.10; 1 gal. can, $1.75.**

BARNES WORM EMULSION

Give your hens a chance by controlling the worms with Ba4ne's Worm Emulsion and they will do their part. **Qt. can, $1.00; postpaid, $1.10; 1 gal. can, $3.00; postpaid $3.15.**

DAIRY ASSOCIATION GOODS

Kow Kare. Small pkg. 65c; postpaid, 75c; large pkg. $1.25; postpaid, $1.35.

Bag Balm. Pkg. 60c; postpaid, 70c.

Garget Cure. Pkg. 65c; postpaid, 75c.

QUICK RELIEF FOR COWS

This is a great remedy for cows with sore or caked bags and acts very quickly. **Can, $1.50.**

LEG BANDS

Aluminum. An adjustable band, numbered, that can be used on any sized poultry. **Doz. 15c; 2 doz. 25c; 100, 75c.**

Celuloid. This is the key ring style band. Always state breed of poultry you desire bands for. Leghorn zise, **doz. 15c; 2 doz. 25c; 100, 60c.** For Rocks, Reds, etc., **doz. 15c; 2 doz. 25c; 100, 75c.**

AVICOL

Tablets for White Diarrhea in chicks and Black Head in Turkeys. **Pkg. 50c.**

DON SUNG

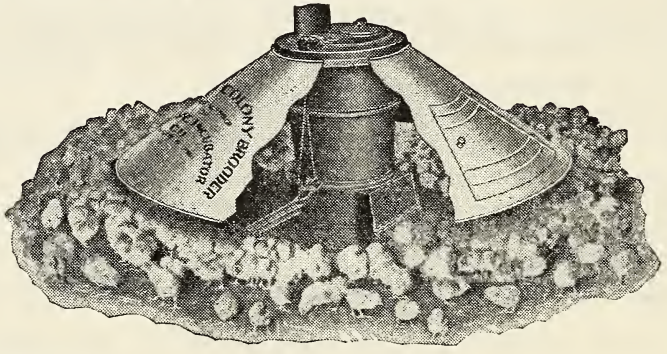
Tablets for making hens lay, tonic and conditioner. **Pkg. 50c.**

ROUP-OVER

Liquid for Roup, colds, canker, etc. **Bottle, 50c and $1.00.**

BUCKEYE BROODERS

In the Buckeye Coal Burning Brooder, you secure the very latest improved brooder manufactured and one that gives satisfaction in every way.



Prices are as follows.

No. 117, 42 inch hover, capacity, 350 chicks, $16.50.

No. 118, 52 inch hover, capacity, 500 chicks, $21.50.

No. 119, 56 inch hover, capacity, 1000 chicks, $26.50.

EGG SCALES

Under the new law it is to your advantage to grade your eggs. The following are reliable scales.

The Oakes, 22 oz. weight, **50c. Postpaid, 60c.**

The Champion, adjustable, **$1.75 each.**

The Reliable, adjustable, **$2.90 each.**

The Acme, weighs eggs from 18 to 26 ozs., **$3.00 each.**

AUTOMATIC POULTRY FOUNTAIN

A very convenient way of watering poultry. **Price, $1.00 each, $1.10 postpaid.**

NEST EGGS

can supply either glass eggs or the solid nest eggs. **40c per dozen.**

EGG CRATES

12 dozen size. **75c each with fillers.**

EGG CRATE FILLERS

Each contains enough fillers and flats for 12 egg cases. **Per case, $2.50.**

CHICK FOUNTAINS AND FEEDERS

MOE'S STAR FOUNTAIN AND FEEDER

Made of a single piece of heavy metal. No solder, no seams, no loose parts. Suitable for feed as well as water. Little chicks can not drown. Fits any Mason jar in 1 Pint, 1 Quart, and 2 Quart sizes. **No. 32 (Glass jar not included) Each 10c.**

MOE'S DOUBLE FEEDING TROUGHS

Double trough, with sliding top, easily filled and cleaned. Accurately stamped with dies No rough edges. **No. 58, length 12 in. each 35c; No. 60, length 24 in., each 65c.**

MOE'S BABY CHICK FEEDERS

A great feed saver, and can also be used for water or milk. Accurately stamped with dies. Top fits snugly, yet is easily taken off for filling and cleaning. **No. 12, diam. 8 in. with 12 holes, each 25c.**

WALL FOUNTAIN

The covered outlet keeps out dust and dirt, and a removable plate prevents any floating rubbish from being drawn into the reservoir. **No. 98, 1 gal. Capacity, each $1.15; No. 99, 2 gal. capacity, each $1.50.**

BOTTOM FILL FOUNTAIN

The round taper shape prevents damage from freezing. Made in two pieces accurately formed. Easily filled and cleaned. **No. 19, 1 quart, each 25c; No. 20, 2 quart, each 40c.**

MOE'S GRIT AND SHELL BOXES

Economical and practical for feeding grit, shells, etc. **No. 9, three compartments, each 90; No. 90c, four compartments, each $1.20.**

MOE'S LARGE CAPACITY FEEDER

A fine feeder for growing stock, and a great time and labor saver. Has a total of 54 feeder holes. Sliding top, easy to fill and clean. Capacity 17 quarts, length 35 inches. **No. 141 Moe's Chick Feeder, each $2.00.**

MOE'S OAT SPROUTER

Steel frame, well braced and painted, with six heavy galvanized iron pans which are interchangeable. Provides the very necessary green feed at all seasons. Total height 3 ft. Size of pans, 16x18 inches. **No. 110 Moe's Oat Sprouter, each $7.00.**

MOE'S DRY MASH HOPPERS

A strictly high quality hopper, properly designed. The curved bottom keeps the feed in easy reach, and the taper shape of the hopper prevents the feed from clogging. Height 19 inches. **No. 36, width 12 in. each $2.10; No. 13, width 18 in., each $2.40.**

WALL FOUNTAIN

No. 74. A large size, five gallons, easy to fill and nothing to get out of order. **Each, $2.00.**

FOUNTAIN AND BROODER HEATERS

Simple and safe. Nothing to get out of order. Will burn seven days with one filling. **Each, $2.00.**

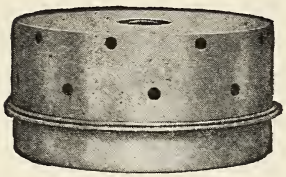
JAR FOUNTAINS

Made from rust resisting metal. Uses any size Mason jar. **Each, 10c.**

BUTTERMILK FEEDERS

Made from a special heavy tin. **No. 138, 20 inch, each, 45c.**

The Little Putnam Stove



Patented Dec. 11, 1917

USES OF THE LITTLE PUTNAM STOVE

Used under the drinking vessels of the poultry house to keep the water from freezing in the coldest winter weather.

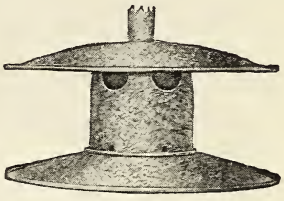
Used as the heat element for a Putnam home-made-oat-sprouter.

DESCRIPTION OF THE LITTLE PUTNAM STOVE

A Little Putnam Stove is nine inches in diameter and four inches high; made of galvanized iron and equipped with a burner which embodies an **entirely new principle** in oil combustion. Combustion is complete and perfect, doubling the heat value of the oil. **The oil tank holds three pints of oil and burns three to four weeks without refilling or any other attention.** The wick never needs trimming. The stove with any kind of fair usage will last a life-time.

Price of Little Putnam Stove, $1.95 postpaid.

Putnam Brooder Heater



Easy to make a home-made brooder that will handle 50 to 60 chicks. Fill but once a week. Safe and durable. Free directions how to make your own brooder.

Price, only $4.75 postpaid.

SPRAY MATERIAL

All prices subject to market changes.

Arsenate of Lead. Dry Powdered. ½ lb. pkg. 20c; 1 lb. pkg. 35c; 4 lb. pkg. 80c; 6 lb. pkg. $1.20. Special prices on large lots. Cannot be sent by mail.

Bordo Spray, Fungi-Bordo. 1 lb. pkg. 35c; 8 lb. pkg. $1.25; 48 lb. pkg. $5.75; 100 lb. drum $11.00. Cannot be sent by mail.

Bluestone. lb. 10c; 25 lbs. $2.25; 50 lbs. $4.25; 100 lbs. $8.00. Cannot be sent by mail.

Black Leaf 40. 1 oz. 35c; ½ lb. pkg. $1.25; 2 lb. pkg. $3.25; 10 lb. pkg. $11.85. Cannot be sent by mail.

Calcium Arsenate. ½ lb. pkg. 20c; 3 lb. pkg. 50c; 100 lbs. $10.00. Cannot be sent by mail.

Paris Green. 1 lb. pkg. 40c. Cannot be sent by mail.

Liquid Lime and Sulphur Spray. 50 gallon barrels, $9.00 each; $1.00 credit for return of empty barrel.

Dry Lime and Sulphur Spray. 1 lb. cans 30c; each; 5 lb. cans, $1.15 each; 10 lb. cans, $2.00 each; 12½ lb. pkgs, $1.25; 50 lb. cans, $5.50; 100 lb. drums, $10.00.

Sulphur. For spraying, El S brand. 110 lb. bags, $3.35 each. Ton lots market price.

Sulphur, Triangle Brand. For fertilizer, spray, etc. Bulk, lb. 5c; 25 lbs. $1.00; 110 lb. bag, $3.50 each, ton, market price.

Sulphur, Diamond S. A fancy grade used for all purposes. 110 lb. bags, $3.75 each; ton, market price.

Dusting Sulphur. Very high grade ground especially for dusting. 110 lb. bag, $4.75; ton, market price.

Casein Spreader. It pays to use spreader in all your sprays. Lb. 15c.

Oil Spray. A high grade miscible oil spray. Bulk, per gallon, 50c; 10 gallons $4.00; 50 gallon barrel $12.50.

Volck Oil Spray. A very high grade oil spray. Half pint 50c; 1 pint, 75c; 1 qt. $1.00.

ORCHARD SUPPLIES

Grafting Wax. ¼ lb. pkg., 15c; ½ lb. pkg., 30c; 1 lb. pkg., 50c. Postage extra.

Rosin. Lb. 15c; 25 lbs. or more at 10c per lb.; 50 lbs. or more, at 9c per lb.

Tree Paint. 1 pint can, 50c; 1 qt. can, 75c; half gallon can, $1.25.

Tree Tanglefoot. 1 lb. can, 60c; 5 lb. cans, $2.75; 10 lb. cans, $5.25.

Beeswax. Lb. 50c.

Para-Dichloro-Benzene. The only sure kill for fruit tree borers. 1 lb. can, 50c; 5 lb. can, $1.75; 10 lb. can, $3.00; 25 lb. cans, $6.50; 50 lbs. $12.00; 100 lbs. $23.00; 200 lbs. $40.00.

Lime. Handle a very high grade lime for making spray, white wash, etc. Per lb. 3c; 100 lbs. $2.50, bbl. $3.75.

GARDEN INSECTICIDES

Lee's Garden Insecticide. Kills garden insects, such as cabbage worms, plant lice, green bugs, beetles, etc. Lb. can, 35c; postpaid, 45c; 2 lb. can 60c; postpaid, 70c.

Whale Oil Soap. 20c per bar.

Tobacco Dust. 2 lb. pkg., 40c; 10 lb. pkg. $1.25.

Naphtalene. 2 lbs. 25c; 10 lbs. $1.00; 25 lbs. $2.25; 50 lbs. $4.00; 100 lbs. $7.50.

Carco. A vegetable spray for root maggots and worms. Half pints 50c; pints 75c;

Snarol. For snails, slugs, cut worms, ear wigs, and grass hoppers. 1 lb. pkg., 40c; 3 lbs. 85c; 15 lb. sack, $3.25.

Semesan-Bayer Dust. This comes in several grades for different purposes. For seed treating, for treating potatoes, and treating corn, etc.

Advise us what you desire to treat and we will send the special circulars.

Evergreen. A non-poisonous insecticide. Harmless to man, bird and animals. Kills cut worms, ants, plant lice and melon bugs, striped beetle and rose lice. 1½ oz. bottle, 35c. Postpaid, 40c; 6 oz. bottle, $1.00; postpaid, $1.10.

Derrisol. Odorless and non poisonous. Sure death to all plant lice, etc. 1 oz. pkg., 35c; postpaid, 40c. 8 oz. pkg., $1.25; postpaid, $1.35.

VARMINT POISONS

Squirrel Poison. We handle a reliable brand of squirrel poison that does the work. Can, 50c.

Gas Balls. Kills the Gophers, Moles, Rats and Squirrels; easy to handle, safe and sure to kill. 5c each; 6 for 25c; doz. 40c; carton of 125, $3.00. Cannot be sent by mail.

Rat Nip. The best rat poison on the market; sure to kill. Tube, 35c. Cannot be sent by mail.

Gopher Scent. A prepared grain poison that kills Gophers, Squirrels, Moles, etc., but is harmless to other animals and poultry. 35c, 50c and $1.00 pkgs. Cannot be sent by mail.

Rat Scent. Similar to the above but made especially for Rats and Mice. Also, harmless to other animals and poultry. 35c and 50c pkgs. Cannot be sent by mail.

Peerless Gopher Killer. For exterminating gophers, moles and all burrowing animals. This is a liquid that when put in the burrow forms a heavy gas that penetrates through the runway and kills the animal. It has proven very successful. Qt. can, 75c. Cannot be mailed.

CALCIUM CYANIDE

Calcium Cyanide or Cyan o gas Calcium Cyanide is endorsed and recommended by Federal, State and County Rodent Experts for control of squirrels, gophers, moles, etc. Safe to use. It may be stored and handled with ease and safety. It is non-explosive and non-inflammable and will not deterioate in strength if kept in the air tight cans. The results our customers have had in the last year from the use of this gas have been the best of all the different poisons on the market and proven very satisfactory. Prices, lb. can, 75 cts; 5 lb. can; $2.50; 25 lb. can, $5.50. Must be sent by express or freight. Cannot be mailed.

B-K Disinfectant

DISINFECTANT, DEODORANT, CLEANSER

Note These Remarkable Qualities

Powerful. By Government Method of test B-K has over ten times greater germ-killing strength than carbolic acid. Much stronger than coal tar disinfectants—much safer.

Safe. B-K contains no poison, acid nor oil.

Clean. B-K is colorless, leaves no stain on floors, walls or utensils. Does not soil animal's hair.

Deodorant. B-K destroys foul odors—leaves no odor of itself.

Cheap to Use. B-K is so strong that much water is used in diluting. One gallon B-K makes 200 to 500 gallons of dilution ready for use according to the purpose.

4-ounce bottles.....35c **32-ounce bottles.....$1.25**
10-ounce bottles.....60c **1-gallon jug.....$3.00**
5-gallon carboy.....$12.50

BARRELS AND KEGS

We carry a complete stock suitable for meat, fish, cider, vinegar, kraut, etc.

5 gallon keg....**$1.00**	15 gallon keg....**$1.85**	30 gallon barrel....**$3.00**
10 gallon keg....**$1.50**	20 gallon keg....**$2.25**	50 gallon barrel....**$4.00**

RAFFIA

We carry a high grade Raffia suitable for making various items, like baskets, etc. Also, used by gardeners for tying up fresh vegetables instead of twine. **1b. 40c, postpaid 50c.**

CARBIDE

For home lighting plants. **100 lb. drum, $6.50 each.**

HAND SEEDERS AND CULTIVATORS

Horn. This is one of the most popular seeders for clovers, timothy and other small seeds **Price, each, $1.00.**

Cyclone. This is a larger seeder and can be used for grains as well as all small seeds. **Price, each, $2.50.**

HAND CULTIVATOR

We have a good high grade hand plow and cultivator that is very convenient for garden use. Complete with all necessary attachments. **Price, $4.00.**

CORN PLANTERS

Crescent. A two-handed planter; strong and durable. **Price, $1.35.**
Segment. Very accurate in planting. **Price, $2.25.**

TRAPS

Reddick Mole Traps. The best trap for catching moles on the market. **Each, $1.25; postpaid, $1.35.**

The Cinch Gopher Trap. The only safe and successful device for catching this pest. No dangerous gun; no ammunition. Easy to operate and when set properly is a "cinch" sure enough. Any boy can clean the ranch with them. Will also catch moles, rats, etc. Sold several hundred of these traps the past season and they all gave fine satisfaction. Guaranteed to do the work or money back. **Price, 50c; postpaid, 60c.** State whether for moles or gophers when ordering.

Out o'sight Mole Trap. One of the best. Sure to" get them." **Price, $1.25; postpaid, $1.35.**

Macabee Traps. A small trap that many have great success in catching moles and gophers with. **Price 25c; postpaid, 30c.**

GOPHER GUNS

For the positive destruction of Gophers, Moles, Squirrels, Rats and other burrowing pests. This is a new gun that shoots a 38 BLANK cartridge shell and is safe and simple to use. Keep the gun clean and it will last a life time. **Price, $2.00 each, postpaid. Blank Shells, doz. 25c. Cannot be sent by mail.**

K. M. G.

This weed killer kills Morning Glories, Canada Thistles, Dandelions and other weeds. Just spray it on at the proper time, that's all. Out of dozens of tests last year, not one complaint. **Prices, F. O. B. Salem as follows: qt. bottle, $1.40; gal. jug. $2.85; 5 gal. drum, $10.75. Special prices on larger lots.**

Send for free booklet, that gives full instructions how to use and when.

"PECO" PEAT MOSS TRADE MARK PEAT MILL

Peat Moss is used for many purposes, as a fertilizer, as a poultry house litter, used in hot beds, used to start bulbs, etc. Comes in two grades, medium and fine. **Market price.**

SPRAYERS

Hand Sprayers. For spraying poultry houses, rose bushes, garden plants, stock, etc. Heavy tin. **50c each. Postpaid, 60c.**

This is one of the handiest and most powerful sprayers made. Used for all purposes, spraying buildings, spraying trees, whitewashing, washing autos, fire extinguishers, etc. **Price, each, $4.00; postpaid, $4.25; tank extra, $3.00 each.**

COMPRESSED AIR SPRAYERS

A well made, durable sprayer made of heavy galvanized iron. **$6.00 each.**

HAND DUST SPRAYERS

For dusting all kinds of plants, grapes, etc. **Size, No. 1, 60c each; postpaid 70c. No. 2, $1.25 each; postpaid, $1.35.**

Major Hand Dusters. A larger size, each, $1.50; postpaid, $1.60.

Knapsack Dusters. A large duster, suitable for dusting orchards and large plantings of vegetables. **$15.00 each.**

Enjoy Better Lawns, Flowers, and Gardens by using VIGORO

There is no secret in having a velvety lawn, colorful flowers, crisp, succulent vegetables, luxuriant shrubbery, and stately trees.

You can enjoy these beauties of nature if you use good seed, plants, bulbs, and the right plantfood. The right plantfood is important because plants must be fed the same as human beings.

VIGORO provides an economical, practical, and effective way to secure finest results. Economical because the cost is only 10c to 20c for every 100 square feet. Practical because it is clean, odorless, easy to apply—can be sown by hand like grass seed or applied with an ordinary kitchen colander. Effective because it contains all of the elements of plantfood required to produce early, vigorous growth, and bring fruit, flowers, and foliage to full development.

Complete directions in every bag.

Clean, Odorless, Easy to Apply

VIGORO

Specially prepared plant food

100-lb. bag	$6.00
50-lb. bag	3.75
25-lb. bag	2.00
5-lb. pkg.	.60

A Swift & Company Product